

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

D-634CA

Applicant(s): TOZAWA, K.

For: SPEAKER SYSTEM AND A METHOD OF IMPROVING SOUND QUALITY IN THE SYSTEM

Filing Date

April 15, 1997

Group

2747

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
AA	4,398,619	08/16/1983	Daniel, R. L. S.			
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub-Class	Transliteration
	AK					Yes No
	AL					

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AM	The Radio Technology, article from the magazine for audiophile, December 1, 1994.
AN	
AO	
AP	

Date Considered

EXAMINER: (Initial) If reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-92)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO.	GROUP ART UNIT	ATTACHMENT TO PAPER NUMBER
		28/373,250	2608	6
NOTICE OF REFERENCES CITED		APPLICANT(S) Tozawa		

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
A	3 6 8 4 0 5 1	08/72	Itopkins	181	153	
B	2 9 7 8 9 4 1	09/76	Siebert	181	151	
C	3 3 2 7 8 0 8	06/67	Shaper	181	153	
D	4 7 5 0 5 8 5	06/88	Collings	181	156	
E	4 3 9 8 6 1 9	08/83	Daniel	181	199	
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
L								
M								
N								
O								
P								
Q								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	
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EXAMINER	DATE	BEST AVAILABLE COPY	
X. M.:	03/01/96		

* A copy of this reference is not being furnished with this office action.
(See Manual of Patent Examining Procedure, section 707.05 (a).)

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

Atty Docket
D-654CA

Serial No.
08/842,682

Applicant(s): TOZAWA, K.
For: SPEAKER SYSTEM AND A METHOD FOR
IMPROVING SOUND QUALITY THEREOF

Filing Date
April 15, 1997

Group
2747

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub-Class	Trans-lation
AK	GB -A- 659818	10/31/1951	Great Britain			Yes No
AL	DE-A- 3927178	02/21/1991	Germany			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AM	Supplementary European Search Report in the European Patent Application No. 93900401.6 corresponding to the present application, including copies of the first pages of the references cited in the report.
AN	Reference 1 (Remarks about GA-A-659818)
AO	Reference 2 (Referential material regarding technical matters such as "voice coil impedance").
AP	Official Communication dated October 5, 1999 from the EPO.

Examiner

Date Considered

EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Notice of References Cited

Application No. 08/842,682	Applicant(s) Katsutoshi Tozawa
Examiner Xu Mei	Group Art Unit 2743

Page 1 of 1

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
X A	1,975,201	08/1933	Elworthy	381	153
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U		
V		
W		
X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(e).)

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-82)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO. <i>08/373,250</i>	GROUP ART UNIT <i>2605</i>	ATTACHMENT TO PAPER NUMBER <i>8</i>
NOTICE OF REFERENCES CITED				

U.S. PATENT DOCUMENTS

•	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
A	975261	08/33	Elworthy	381	153	
B						
C						
D						
E						
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

•	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. PP. DWG. SPEC.
L	186191	09/85	JP	Fujinara	181	151	
M							
N							
O							
P							
Q							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER <i>Xu Ma</i>	DATE <i>10/02/96</i>	
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* A copy of this reference is not being furnished with this office action.
(See Manual of Patent Examining Procedure, section 707.05 (a).)